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Notice of Allowability	Application No.	Applicant(s)	
	10/069,075	TAKAGI ET AL	
	Examiner	Art Unit	
	Mathieu D. Vargot	1732	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the filing of the application.
2. ☒ The allowed claim(s) is/are 1-14.
3. ☒ The drawings filed on 21 June 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

M. Vargot
Mathieu D. Vargot
Primary Examiner
Art Unit: 1732
4/16/02

Art Unit: 1732

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

In the claims

Claim 6, line 2, "the", last occurrence, has been changed to --a--

2. The following is an examiner's statement of reasons for allowance: The instant claims are considered to be allowable over the prior art of record in that such art does not disclose, teach or suggest the overall aspects of producing a polyester sheet by extruding a molten polyester onto the surface of a cooling roll with microcracks and solidifying the sheet thereon with the surface temperature of the molten polyester 10 mm below the nozzle being maintained within the instant temperature range specified therefor and the surface temperature of the cooling roll at the polyester contact point being maintained within the instant temperature range specified therefor such that adhesion of sublimate from the polyester to the inside of the microcracks on the cooling roll is prevented.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Tsunashima et al discloses producing a polyester sheet and controlling the temperature of the cooling roll contact point to be greater than the glass transition temperature (ie, T_g) of the resin whereas the instant range for the cooling roll would encompass temperatures below the glass transition temperature. A discussion of the prior art (ie, see column 1, lines 10-29) shows that it is conventional to keep the cooling roll at temperatures below the glass transition point of the resin. However, there is no disclosure of maintaining the surface temperature of the molten extruded sheet within the instant range at 10 mm below the extrusion nozzle nor a recognition that these temperatures would afford the instant benefit of preventing sublimate adherence in the microcracks in this reference or any other of record. Japanese 2000-127221 discloses controlling the temperature of an extruded film but there is no disclosure of doing same to a film being cast on a cooling roll nor does Japanese -221 use the instant cooling range nor specify that the cooling for the film is maintained at 10 mm below the nozzle.

M. Vargot

April 16, 2004

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MATHIEU D. VARGOT
PRIMARY EXAMINER
GROUP 1300

4/16/04